Figure 1a and b: The mean concentration-time curve of Example **12** (a) and Example **4** (b) after oral administration in monkeys (12 mg/kg; n=3).

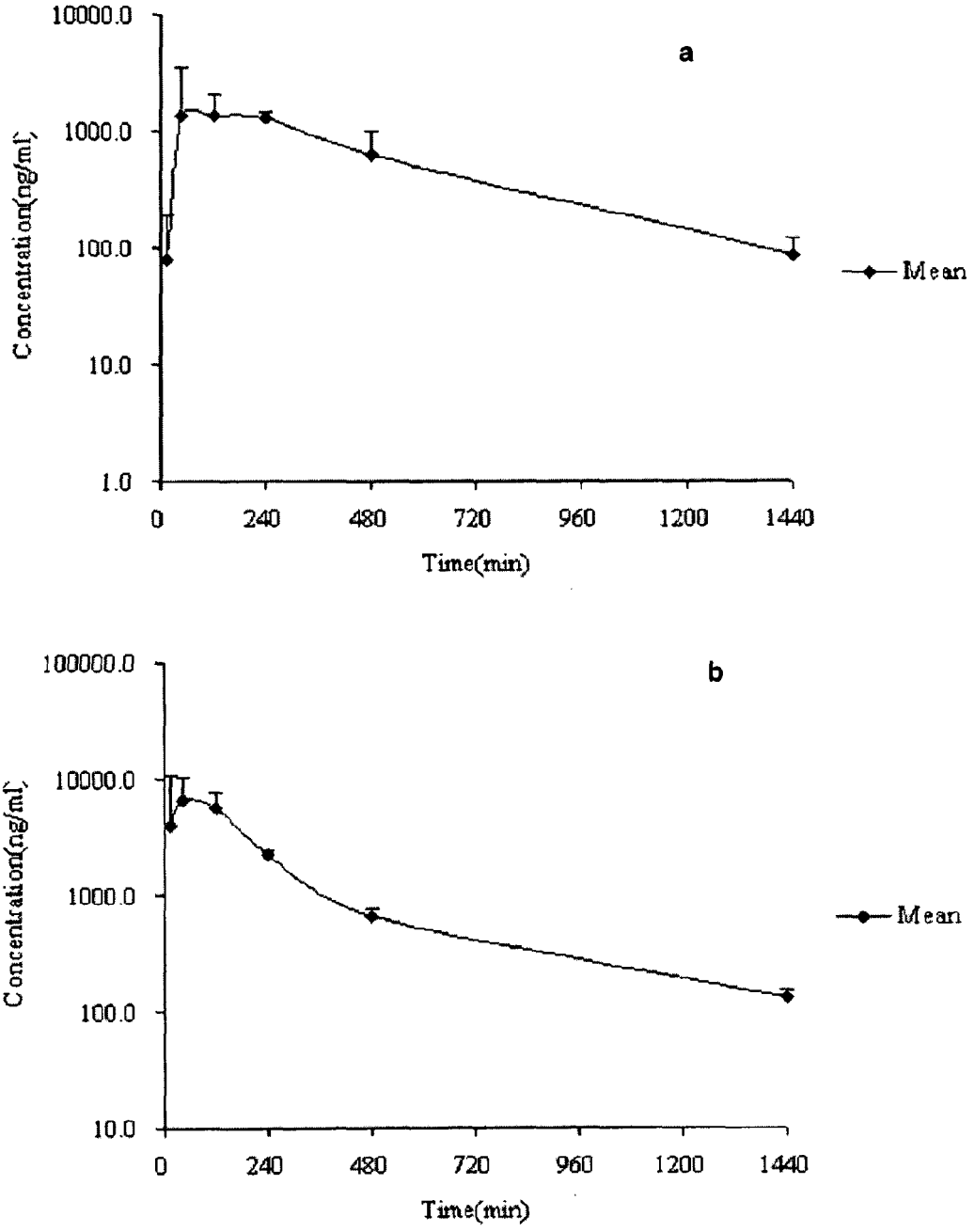


Figure 1c: Plasma parent compound levels in [nM] after a single dose gavage of 5 mg/kg of GW4064 and Example 4 individually into C57 BLKS $lepr^{-/-}$ db/db mice. Data represent the mean of 3 individual mouse plasma measurements.

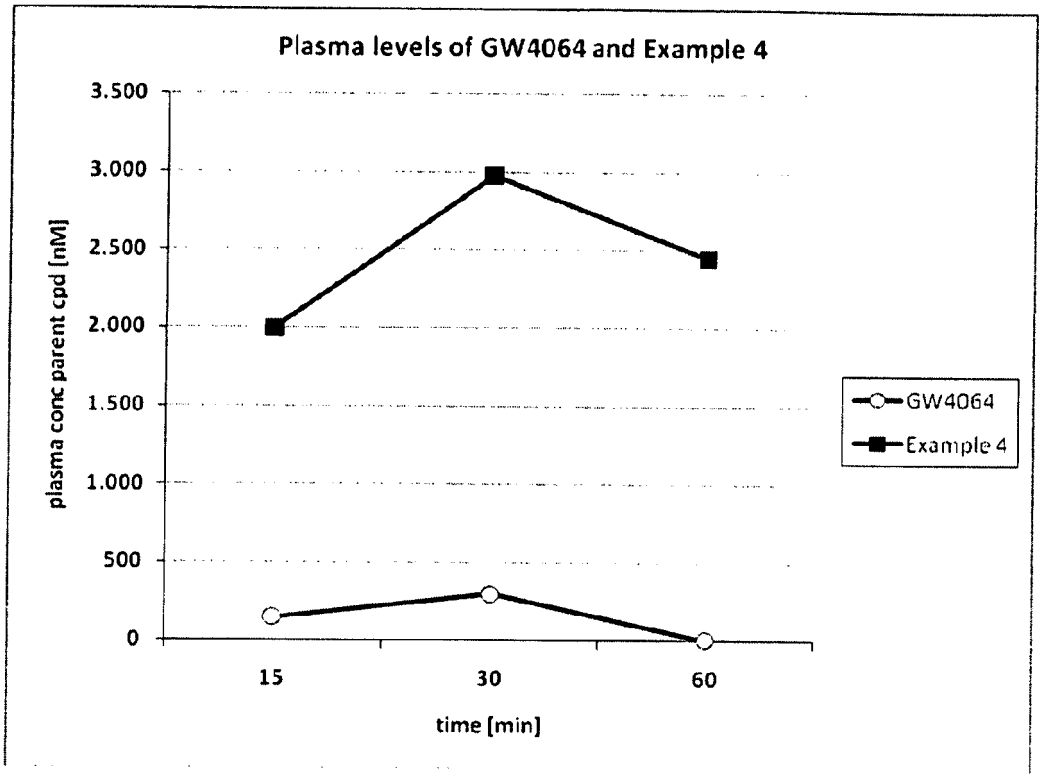
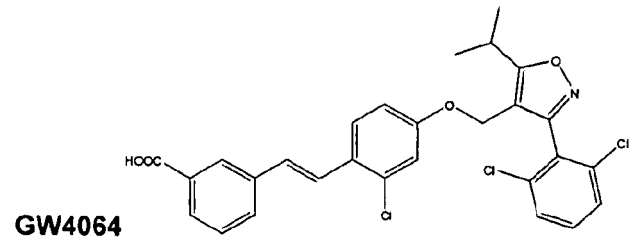
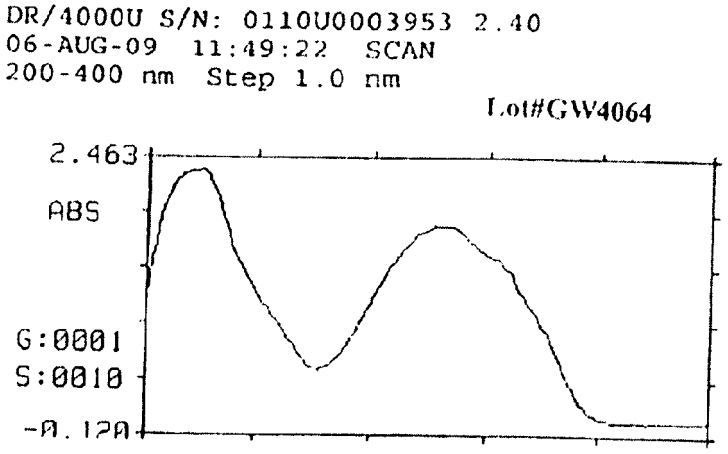
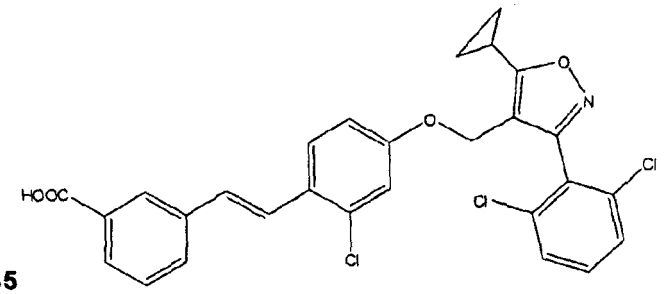


Figure 2: UV spectra and chemical structures of GW4064, Px20535 and Example 4

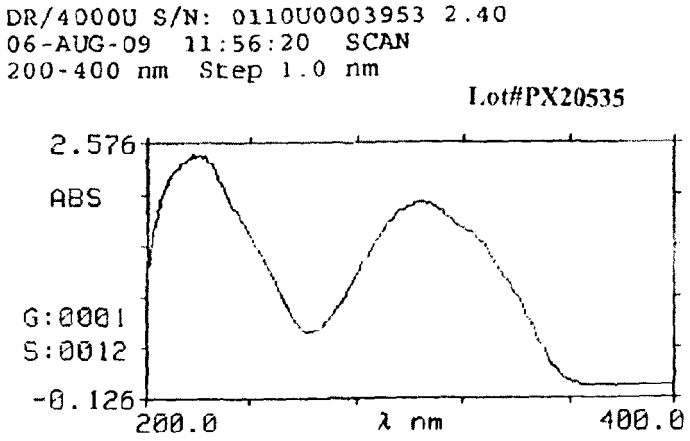



**GW4064**

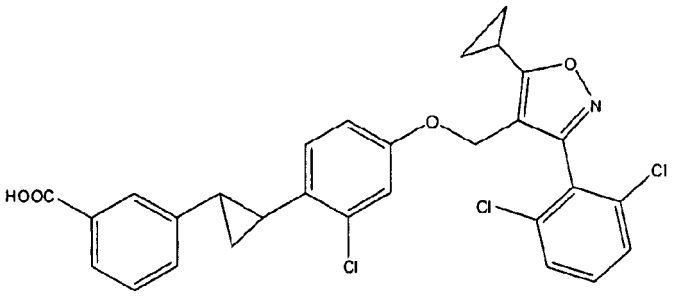



HOOC
O
N
O
Cl
Cl
Cl

PX20535


DR/4000U S/N: 0110U0003953 2.40
06-AUG-09 11:56:20 SCAN
200-400 nm Step 1.0 nm
Lot#PX20535
2.576
ABS
G:0001
S:0012
-0.126
200.0
λ nm
400.0

Example 4




DR/4000U S/N: 0110U0003953 2.40
06-AUG-09 12:10:51 SCAN
200-400 nm Step 1.0 nm

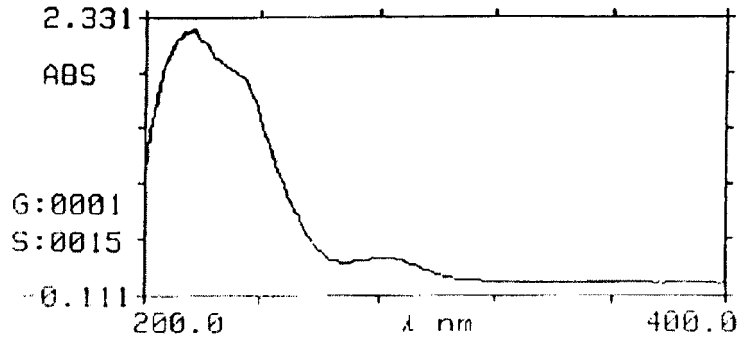


Figure 3a-I: $^1$H-NMR spectra of GW4064, Px20535 and Example 4 at t= 0 h and after 4, 15 and 70 h of UV irradiation at 254nm

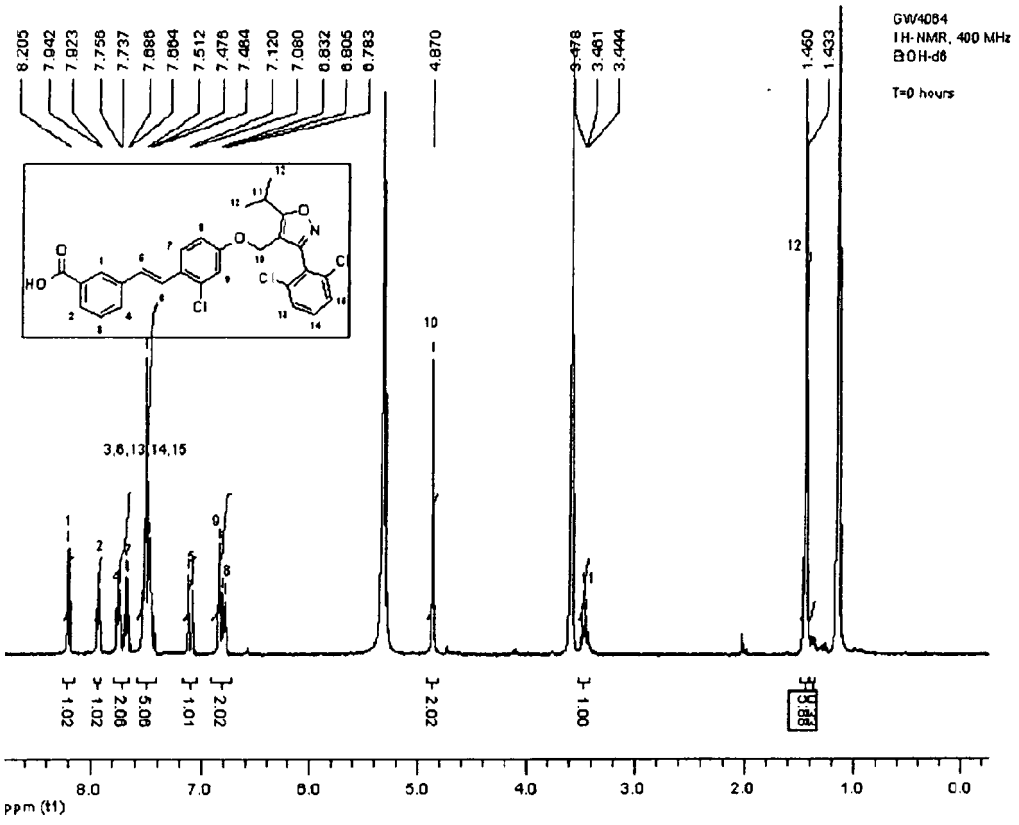



Fig 3a: GW4064 at t=0 h, prior to UV irradiation

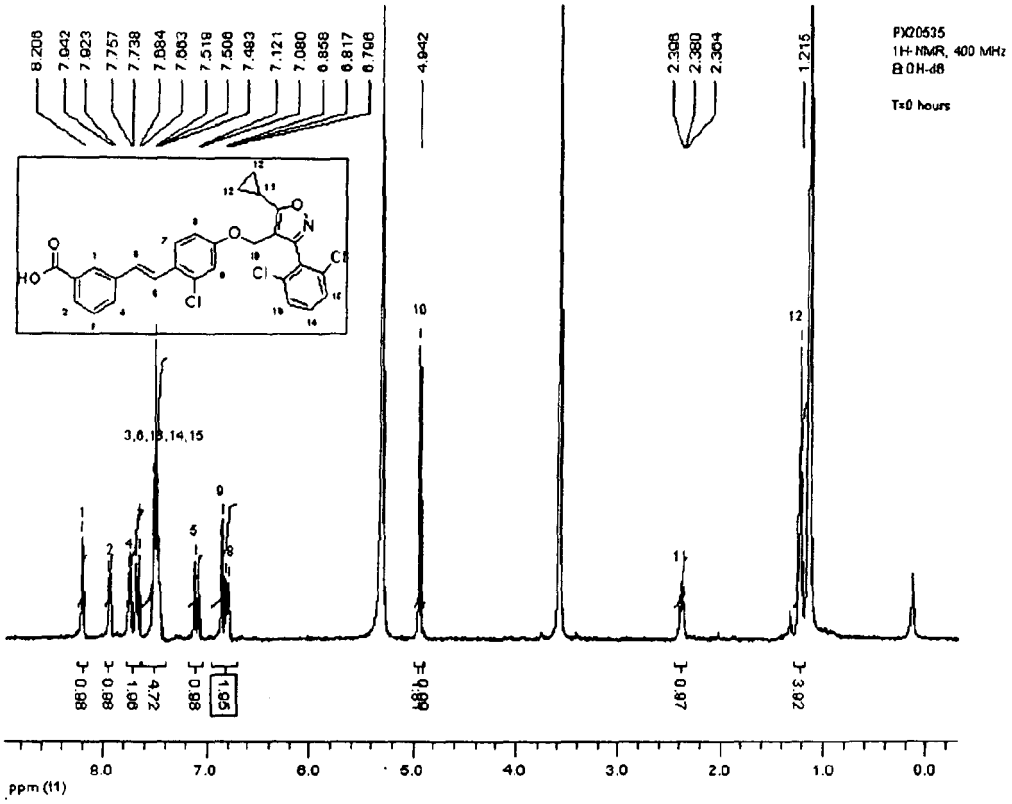



Fig 3b: Px20535 at t=0 h, prior to UV irradiation

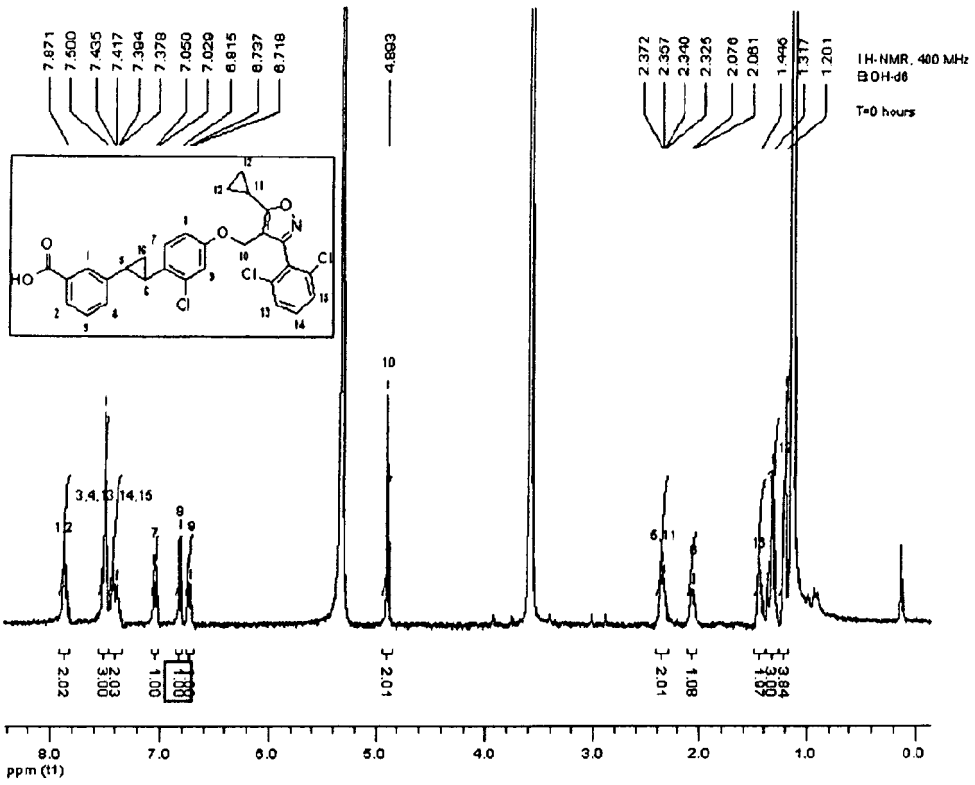



Fig 3c: Example 4 at t=0 h, prior to UV irradiation

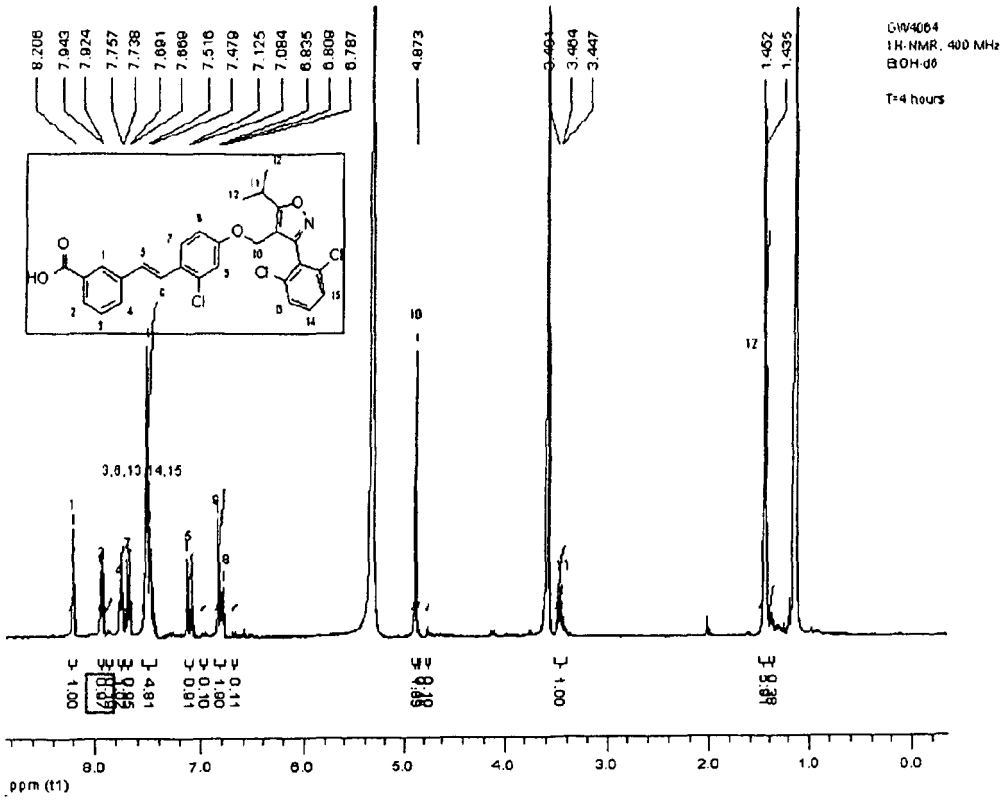



Fig 3d: GW4064 at t=4 h of UV irradiation

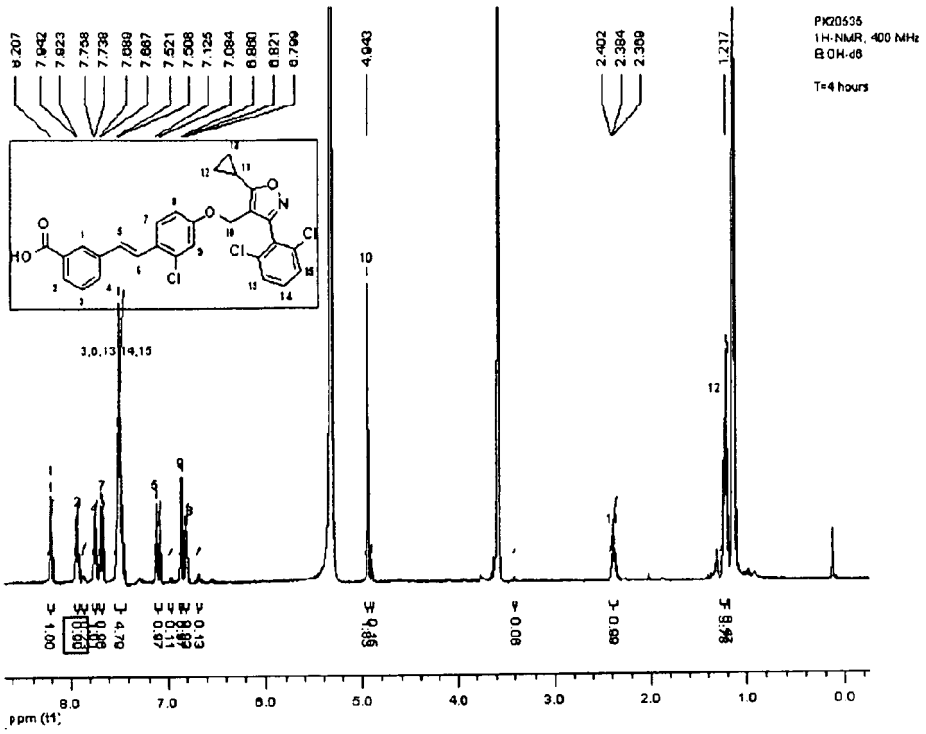



Fig 3e: Px20535 at t=4 h of UV irradiation

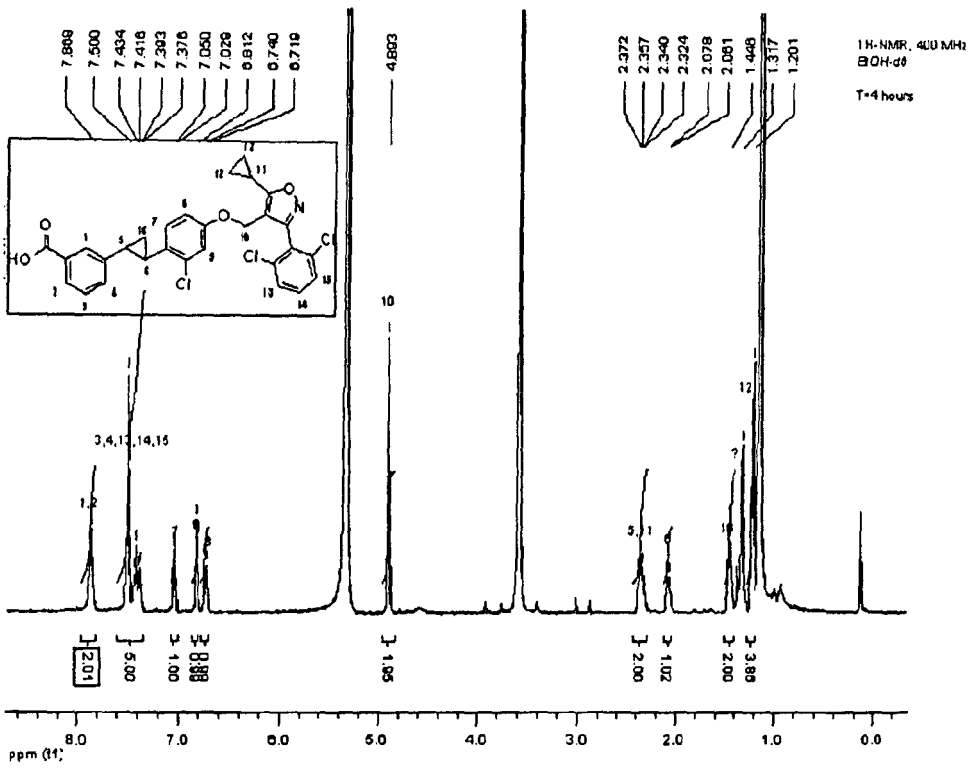



Fig 3f: Example 4 at t=4 h of UV irradiation

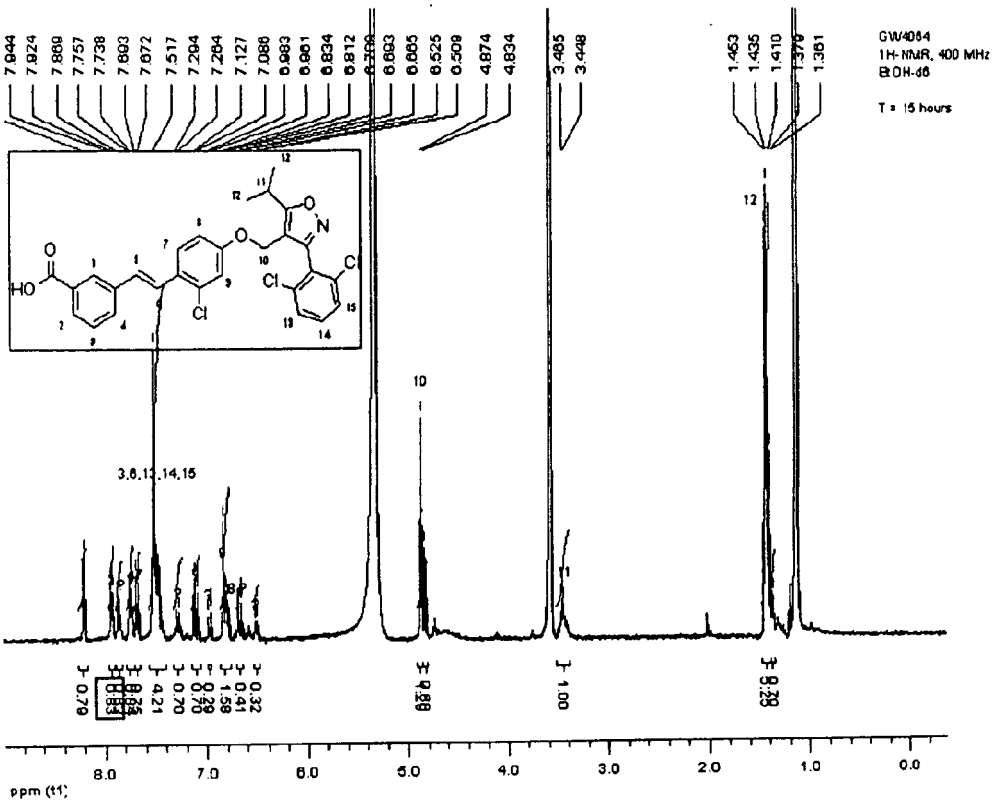



Fig 3g: GW4064 at t=15 h of UV irradiation

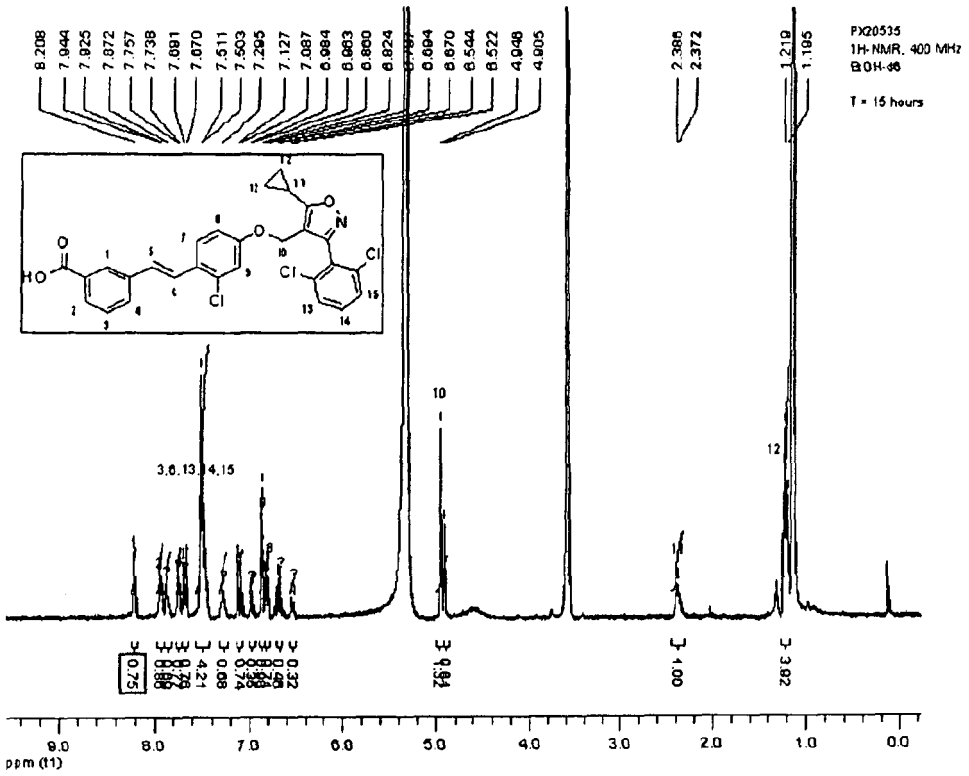



Fig 3h: Px20535 at t=15 h of UV irradiation

5

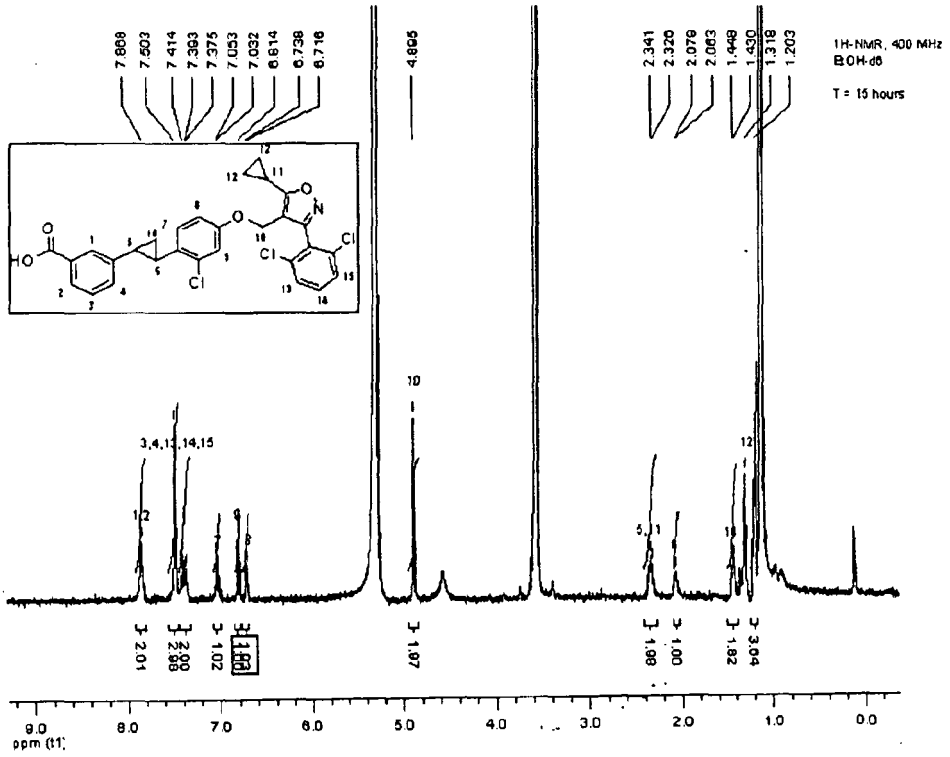



Fig 3i: Example 4 at t=15 h of UV irradiation

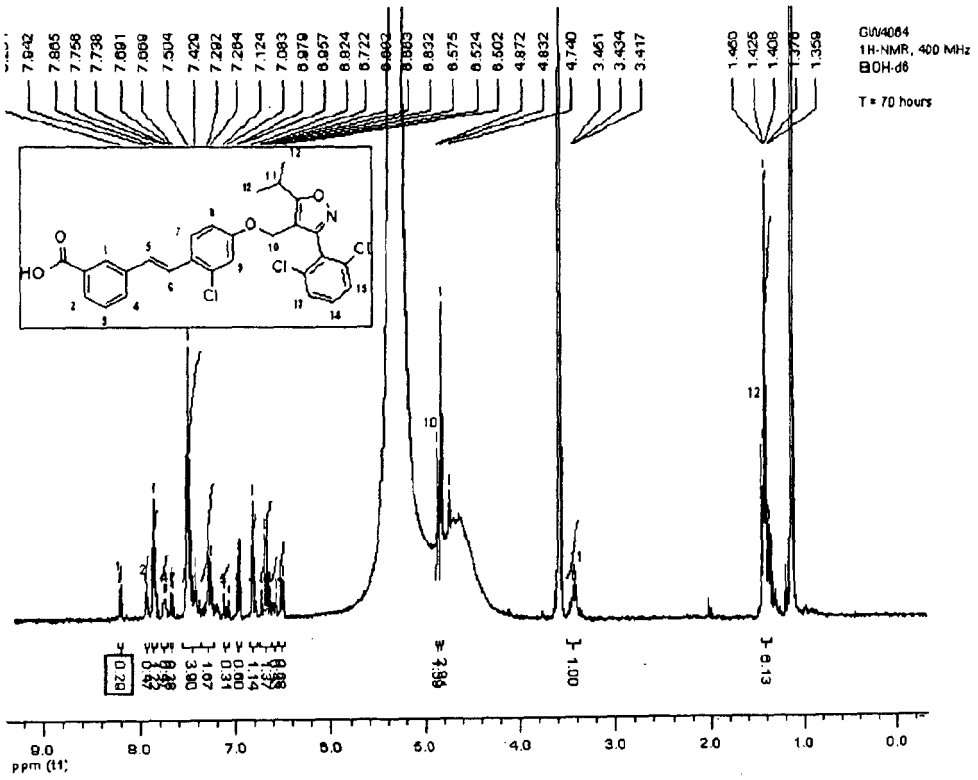



Fig 3j: GW4064 at t = 70 h of UV irradiation

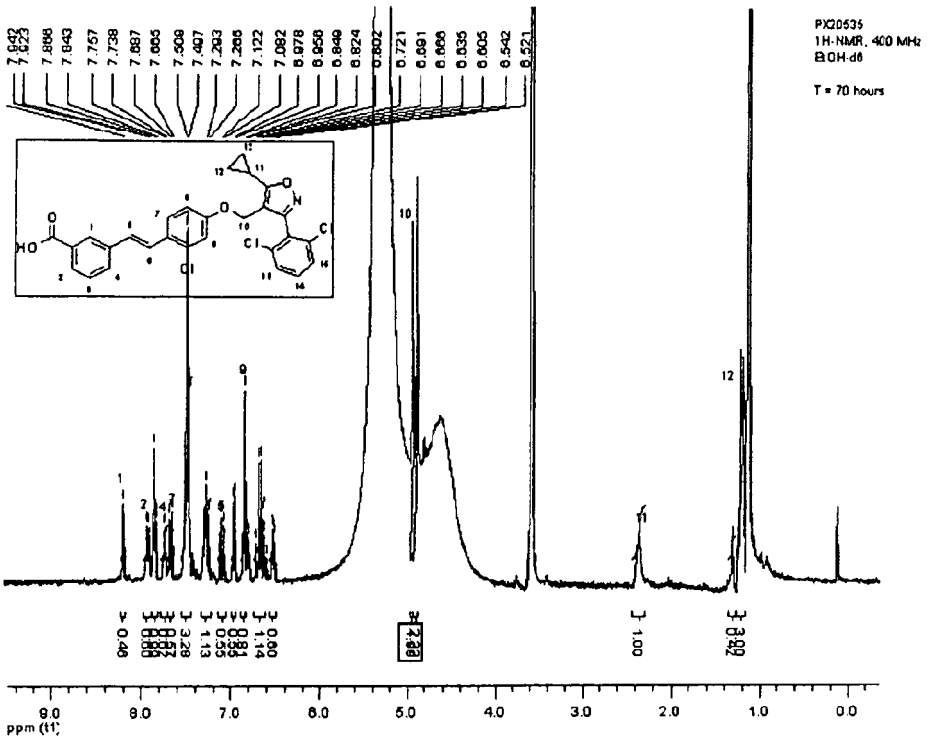



Fig 3k: Px20535 at t = 70 h of UV irradiation

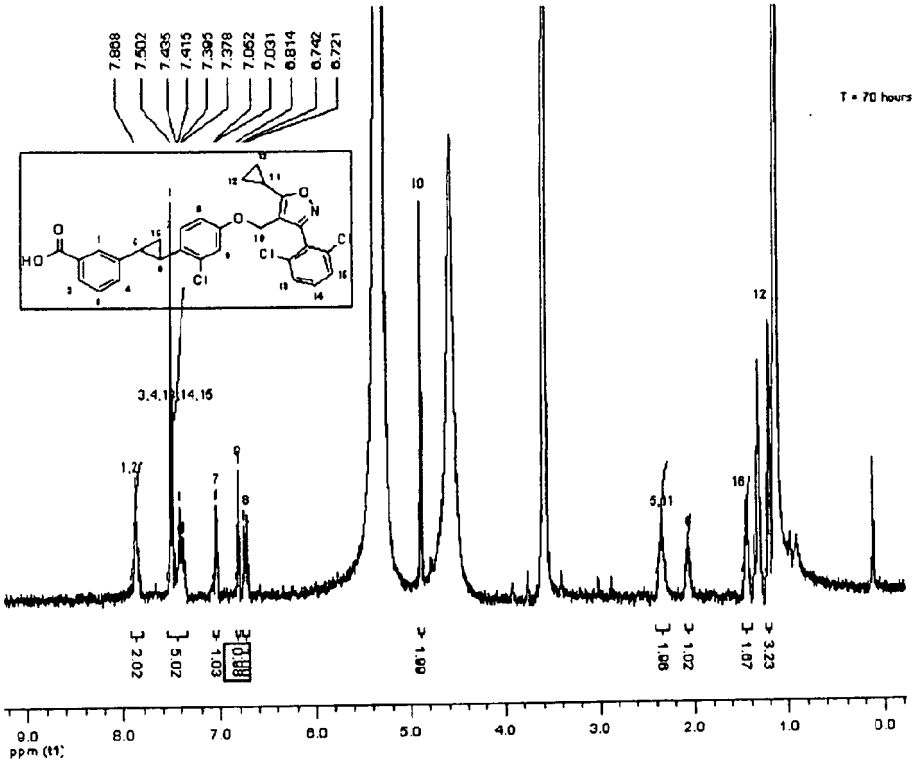



Fig 3l: Example 4 at t = 70 h of UV irradiation

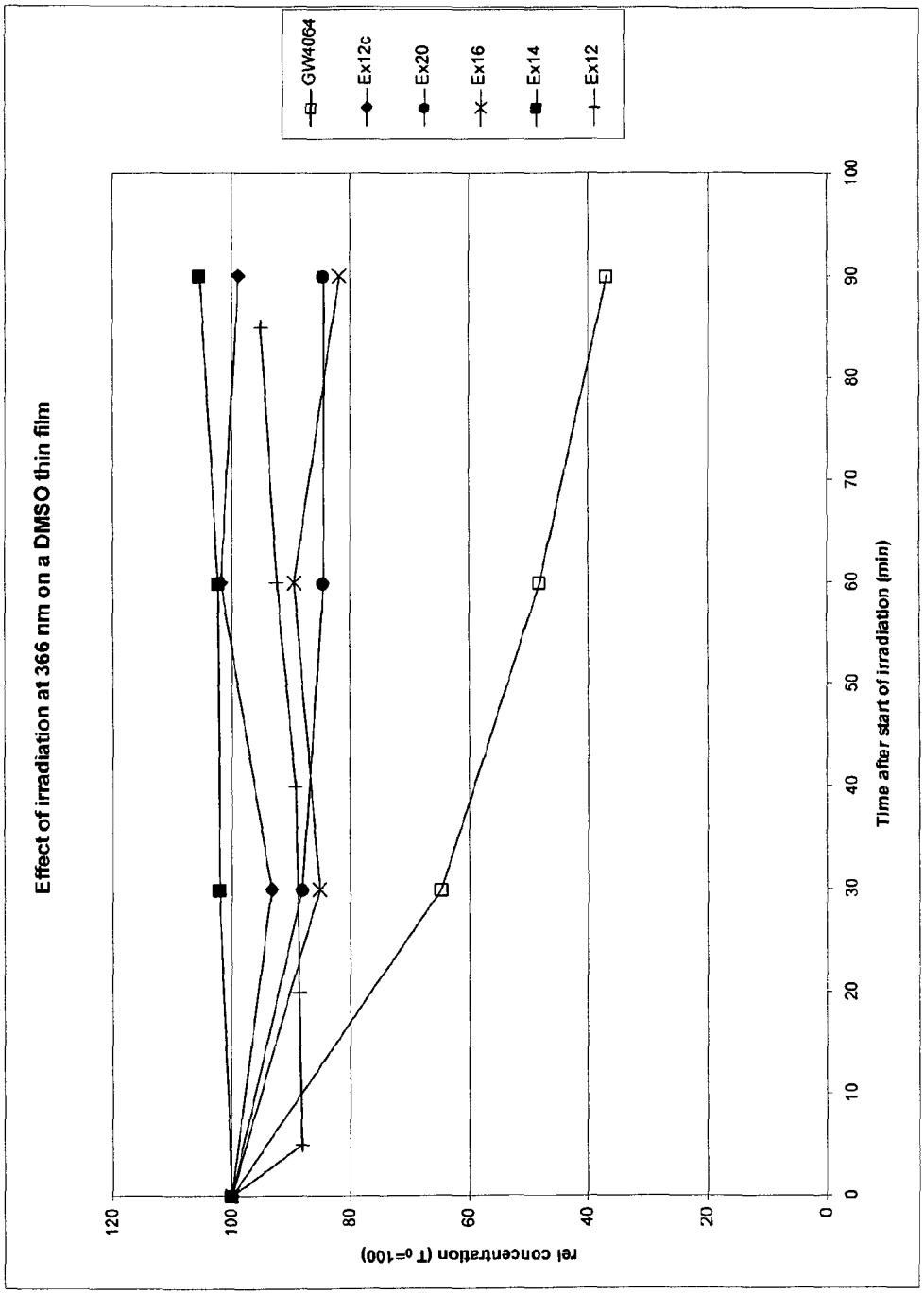



Fig 3m: comparative UV-stabilities, effect of irradiation at λ = 366 nm on a DMSO thin film

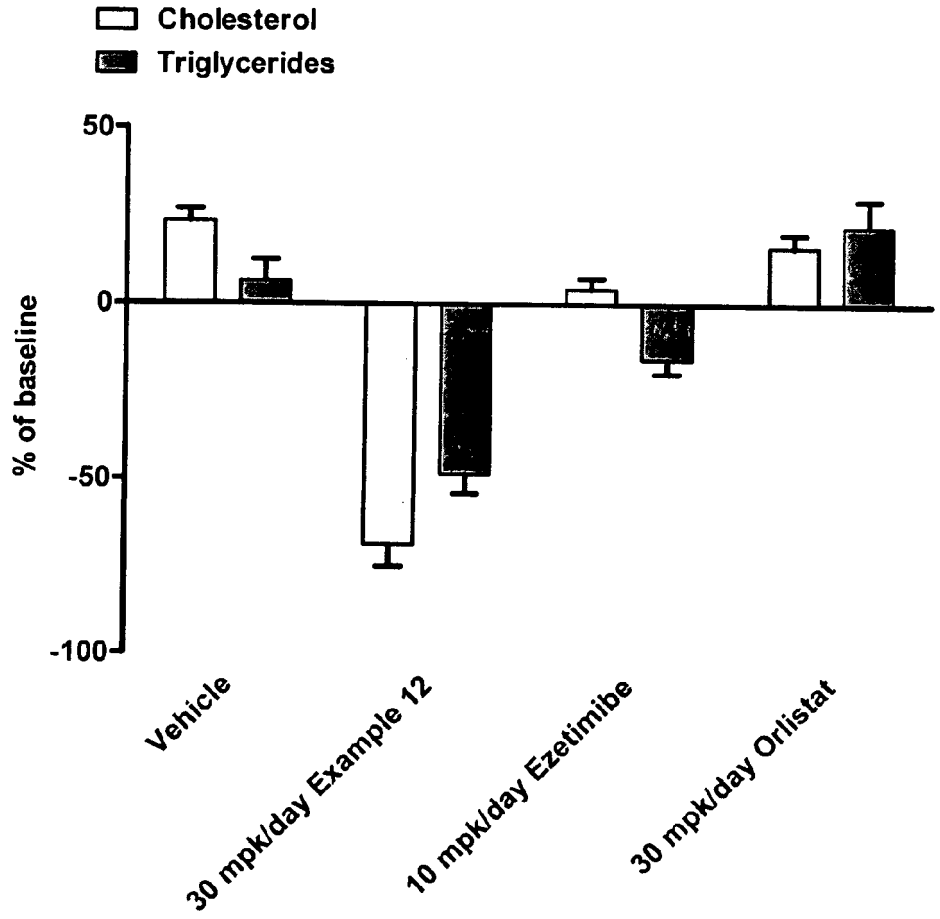



Fig 4: Effects on plasma cholesterol and triglycerides after 8 weeks of high-fat diet (HFD) in the presence or absence of compounds

5

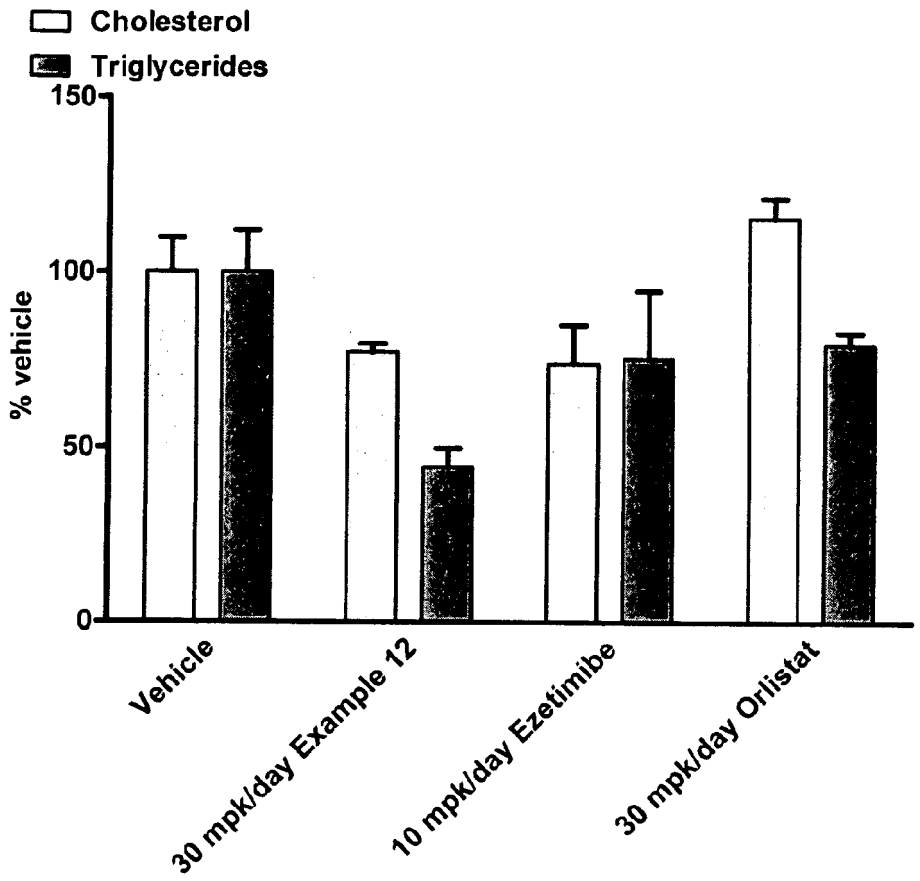



Fig 5: Liver cholesterol and triglyceride content after 8 weeks of high-fat diet (HFD) in the presence or absence of compounds

5

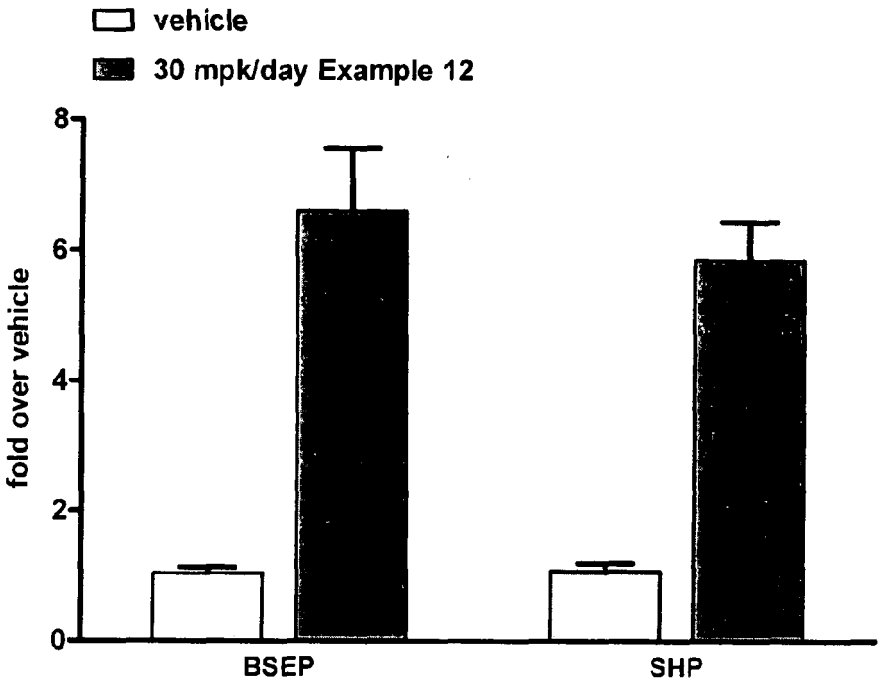



Fig 6: FXR target gene induction in mice liver